

# MILITARY STANDARD

MIL-STD-1323-308C

(NAVY)

## UNIT LOAD

### FOR UNDERWAY REPLENISHMENT

BOMB, GENERAL PURPOSE: 1000 LB MK 83

MOD 5 AND BLU-110 A/B (THERMALLY PROTECTED)

ON PALLET, BOMB, LOADING AND STORAGE,

MHU-187/E (ADL1454AS100)

12 JANUARY 1994

SUPERSEDING  
MIL-STD-1323-308B  
19 AUGUST 1992

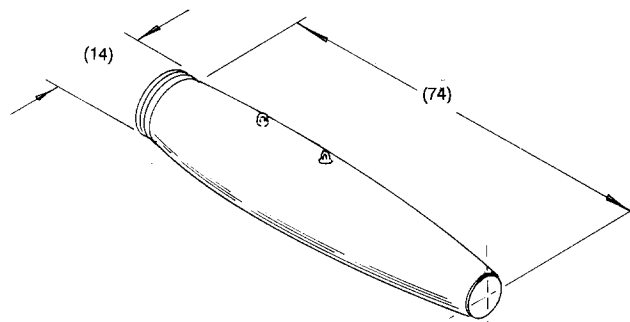
#### UNIT LOAD DATA

NUMBER OF BOMBS/UNIT LOAD \_\_\_\_\_ 3  
GROSS WEIGHT OF ONE BOMB \_\_\_\_\_ 920 LBS.  
GROSS WEIGHT OF ONE BOMB PALLET \_\_\_\_\_ 180 LBS.  
WEIGHT OF STEEL STRAPPING \_\_\_\_\_ 9 LBS.  
GROSS WEIGHT OF UNIT LOAD \_\_\_\_\_ 2949 LBS.  $\Delta$   
CUBE \_\_\_\_\_ 41.4 CU. FT.

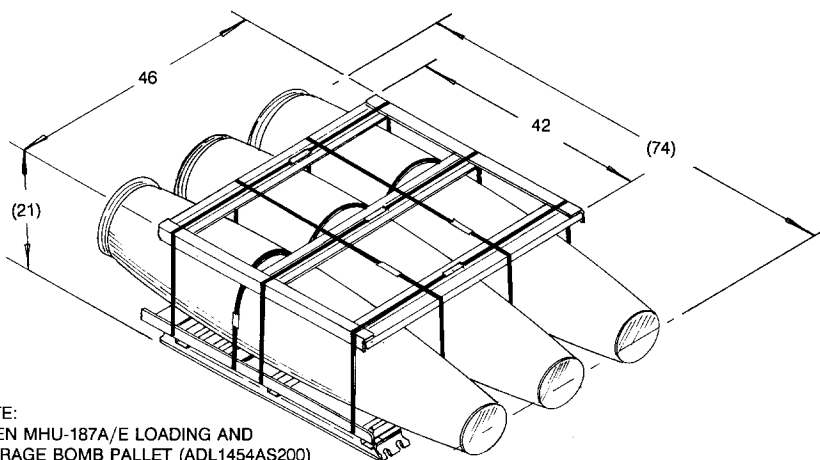
$\Delta$  DO NOT USE FOR SHIPPING WEIGHT

FOR HAZARD CLASSIFICATION  
SEE SW020-AC-SAF-010/020/030

DO NOT STACK MORE THAN 9  
UNIT LOADS HIGH IN STORAGE



BOMB, GP 1000 LB, MK 83, MOD 5  
(THERMALLY PROTECTED)  
DWG. # 30003-4902089



NOTE:  
WHEN MHU-187A/E LOADING AND  
STORAGE BOMB PALLET (ADL1454AS200)  
IS USED, REFER TO MIL-STD-1323-393

AMSC NO. - N/A

DISTRIBUTION STATEMENT A  
APPROVED FOR PUBLIC RELEASE:  
DISTRIBUTION IS UNLIMITED.

C	REFERENCE MHU-187A/E AND UPDATED DOCUMENT	1/12/94	ER	ALL
B	ADDED COATING PROTECTOR BOARD ITEM 7	8/19/92	S/ER	S/LC
A	ADDED INDIVIDUAL BOMB STRAPS	9/25/85	S/MSG	S/JEK
REV LTR	REVISION DESCRIPTION	DATE	TDA	SYSCOM
			APPROVAL	

#### NOTES:

1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
2. FOR CROSS REFERENCE TO ASSOCIATED TRUCKLOADING, CONTAINERLOADING AND CARLOADING MILITARY STANDARDS, REFER TO INDEX TO STANDARDS, MIL-HDBK-236 (NAVY).

FSC 8140

THIS UNIT LOAD IS AUTHORIZED  
AND RELEASED FOR SHIPPING, HANDLING,  
STORAGE AND TRANSFER-AT-SEA. IT MAY  
ALSO BE USED FOR DOMESTIC SHIPMENT IN  
COMPLIANCE WITH DOT REGULATIONS.

REQUIREMENTS FOR CONSTRUCTION OF  
THIS UNIT LOAD SHALL CONSIST OF  
THIS DOCUMENT AND THE LATEST ISSUE  
OF MIL-STD-1323 (NAVY).

S/M.S. GRAY 10/21/83  
SIGNATURE TDA, WPNSTA EARLE DATE  
S/J.E. KELLY 1/13/83  
SIGNATURE BY DIRECTION DATE

ORIGINATOR S/C. McBRIDE 11/2/83  
DATE  
WPNSTA EARLE, NEW JERSEY

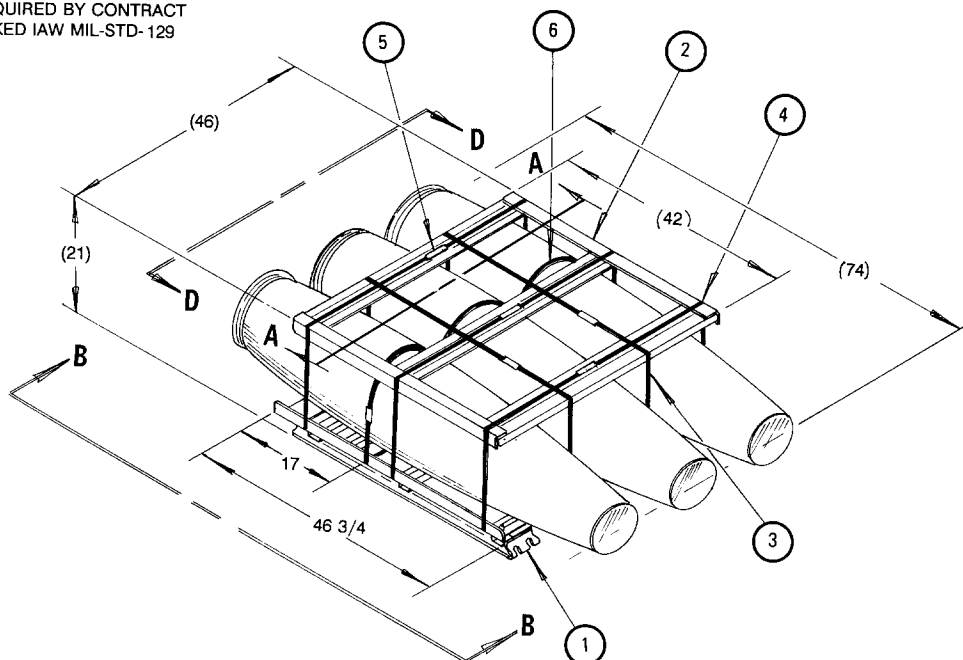
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## PALLETIZING PROCEDURE

- a. BE SURE THAT THE LONGITUDINAL AXES OF THE SUSPENSION LUGS ARE PARALLEL TO THE LONGITUDINAL AXES OF THE BOMBS. PLACE CENTER BOMB ON THE BOTTOM FRAME, ITEM 1. ROTATE BOMB SO THAT THE LUGS ARE IN THE 5 OR 7 O'CLOCK POSITION AND NESTING AGAINST THE HAT SECTION OF THE FRAME AS SHOWN IN VIEW B-B. BE SURE THE FWD END OF THE BOMB IS AT THE FWD END OF BOTTOM FRAME (AS STAMPED). STRAP BOMB TO THE AFT INBOARD INTERMEDIATE ANGLES OF THE BOTTOM FRAME WITH BOMB TIEDOWN STRAPPING, ITEM 6, WITHIN DIMENSION SHOWN. TENSION STRAPPING AND DOUBLE NOTCH SEAL, ITEM 5. THEN IN A SIMILAR FASHION, PLACE AND STRAP THE TWO OUTBOARD BOMBS TO THE BOTTOM FRAME. BE SURE THE OUTBOARD BOMB LUGS FACE OUTWARD AS SHOWN IN SECTION A-A.
- b. PLACE THE TOP FRAME, ITEM 2, OVER THE BOMBS ENSURING THAT THE FWD END OF THE FRAME (AS STAMPED) IS ON THE FWD ENDS OF THE BOMBS.
- c. PLACE PLYWOOD, ITEM 7, ON THE AFT ENDS OF THE BOMBS UNDER THE TOP FRAME AS SHOWN IN VIEW D-D. DO NOT POSITION THE PLYWOOD UNDER THE AFT HAT SECTION.
- d. POSITION THE LONGITUDINAL STRAPPING, ITEM 3, UNDER THE NOTCHES OF THE BOTTOM FRAME, BETWEEN THE ENDS OF THE BOMBS, AND OVER THE TOP FRAME AS SHOWN IN SECTION A-A AND VIEW D-D. TENSION STRAPPING AND DOUBLE NOTCH SEAL, ITEM 5. NOTE THAT THE LONGITUDINAL STRAPPING, ITEM 3, ARE DOUBLED. DO NOT WEAVE THE LONGITUDINAL STRAPPING THROUGH THE SLOTS OF THE TOP FRAME.
- e. POSITION THE MIDDLE LATERAL STRAPPING, ITEM 4, THROUGH THE MIDDLE VERTICAL SUPPORTS OF THE BOTTOM FRAME AND OVER THE TOP FRAME AND LONGITUDINAL STRAPPING AS SHOWN IN VIEW B-B. TENSION STRAPPING AND DOUBLE NOTCH SEALS, ITEM 5.
- f. POSITION THE TWO OUTBOARD LATERAL STRAPPING, ITEM 4, THROUGH THE VERTICAL SUPPORTS OF THE BOTTOM FRAME AND OVER THE TOP FRAME AND LONGITUDINAL STRAPPING, AS SHOWN IN VIEWS B-B AND D-D. TENSION STRAPPING AND DOUBLE NOTCH SEAL, ITEM 5.

## MARKING:

IN ADDITION TO ANY SPECIAL MARKING REQUIRED BY CONTRACT OR ORDER, THE UNIT LOAD SHALL BE MARKED IAW MIL-STD-129

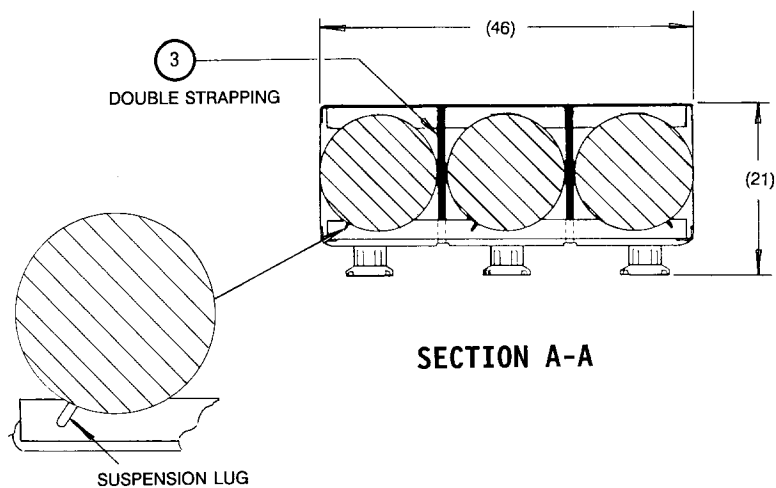


## NOTE:

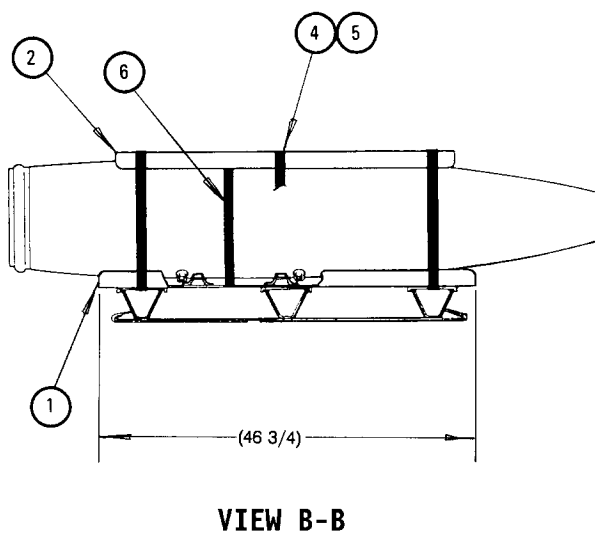
UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE IAW MIL-STD-1323 (NAVY)

1	7	COATING, PROTECTOR	PLYWOOD	1/4 X 3 X 44 (DETAIL C)
3	6	STRAP, BOMB, TIE DOWN	STEEL	1 1/4 X .035 X 6'
10	5	SEAL		1 1/4
3	4	STRAP, LATERAL		1 1/4 X .035 X 13' 6"
4	3	STRAP, LONGITUDINAL	STEEL	1 1/4 X .035 X 13' 6"
1	2	FRAME, TOP	1454AS102	
1	1	FRAME, BOTTOM	1454AS101	
REQ	ITEM	DESCRIPTION	MAT'L/DWG	DIMENSIONS

## LIST OF MATERIALS

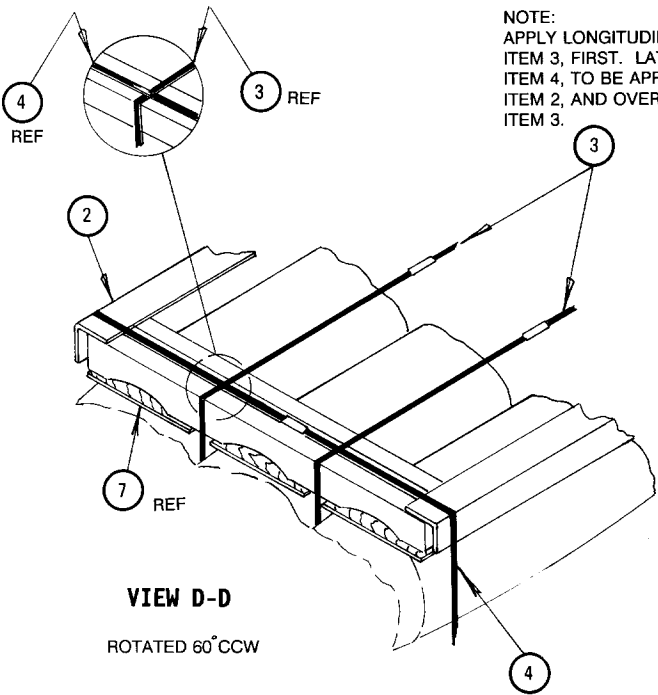
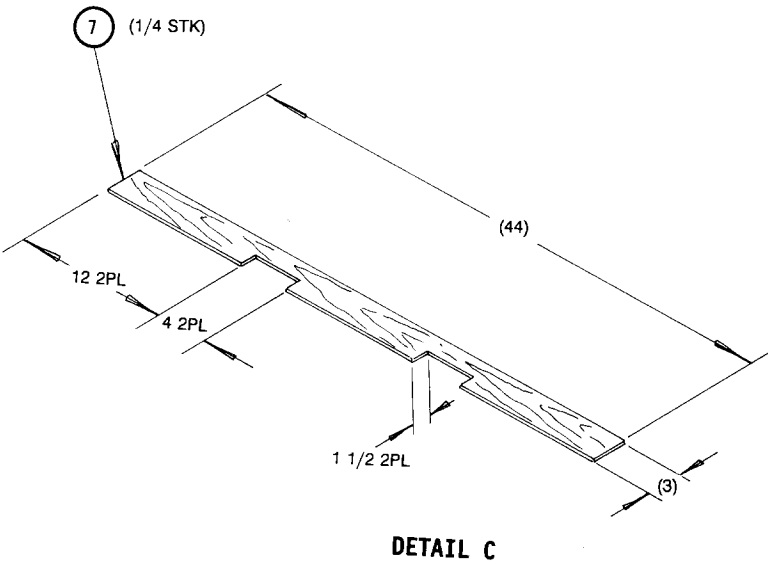


ENLARGED VIEW OF  
SUSPENSION LUG



#### DEPALLETIZING PROCEDURE

- CUT AND REMOVE LONGITUDINAL AND LATERAL STRAPPING.
- REMOVE TOP FRAME.
- CUT AND REMOVE BOMB STRAPPING.
- ROTATE BOMBS SO THAT LUGS ARE ON TOP.
- REMOVE BOMBS.



NOTE:  
APPLY LONGITUDINAL STRAPPING,  
ITEM 3, FIRST. LATERAL STRAPPING,  
ITEM 4, TO BE APPLIED OVER TOP FRAME,  
ITEM 2, AND OVER LONGITUDINAL STRAPPING,  
ITEM 3.